



Est. 1965

## SAFETY DATA SHEET

### Tar, Glue & Bitumen Remover

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

**Product name** Tar, Glue & Bitumen Remover

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Tar, Glue & Bitumen Remover for automotive paintwork.

**Uses advised against** Use only for intended applications.

##### 1.3. Details of the supplier of the safety data sheet

**Supplier** A-Chem Limited  
Dunsford Road,  
Meadow Lane Industrial Estate,  
Alfreton, Derbyshire, DE55 7RH  
Tel: +44 (0)1773 833881  
Fax: +44 (0)1773 830616  
info@achem.co.uk

##### 1.4. Emergency telephone number

**Emergency telephone** As Above - Opening Hours 9 am - 5 pm (Monday - Friday)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

**Physical hazards** Flam. Liq. 3 - H226

**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 STOT RE 1 - H372 Asp. Tox. 1 - H304

**Environmental hazards** Aquatic Chronic 2 - H411

##### 2.2. Label elements

###### Hazard pictograms



**Signal word**

Danger

###### Hazard statements

H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H304 May be fatal if swallowed and enters airways.  
H411 Toxic to aquatic life with long lasting effects.

## Tar, Glue & Bitumen Remover

<b>Precautionary statements</b>	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P243 Take action to prevent static discharges.</p> <p>P260 Do not breathe vapour/ spray.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P331 Do NOT induce vomiting.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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**Contains** Hydrocarbons, C9-C12, n-alkanes, cyclics, aromatics (2-25%), Xylene

<b>Supplementary precautionary statements</b>	<p>P240 Ground and bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use non-sparking tools.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P273 Avoid release to the environment.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P312 Call a POISON CENTRE/doctor if you feel unwell.</p> <p>P314 Get medical advice/ attention if you feel unwell.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P391 Collect spillage.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P405 Store locked up.</p>
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### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Hydrocarbons, C9-C12, n-alkanes, cyclics, aromatics (2-25%)</b>	<b>60-100%</b>
CAS number: 1174921-79-9	EC number: 919-446-0
	REACH registration number: 01-2119568049-33-XXXX
<b>Classification</b>	
Flam. Liq. 3 - H226	
STOT SE 3 - H336	
STOT RE 1 - H372	
Asp. Tox. 1 - H304	
Aquatic Chronic 2 - H411	

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<b>Xylene</b>			<b>10-30%</b>
CAS number: 1330-20-7	EC number: 215-535-7	REACH registration number: 01-2119488216-32	

### Classification

Flam. Liq. 3 - H226  
 Acute Tox. 4 - H312  
 Acute Tox. 4 - H332  
 Skin Irrit. 2 - H315  
 Eye Irrit. 2 - H319  
 STOT SE 3 - H335  
 STOT RE 2 - H373  
 Asp. Tox. 1 - H304  
 Aquatic Chronic 3 - H412

<b>2-Butoxyethanol</b>			<b>10-30%</b>
CAS number: 111-76-2	EC number: 203-905-0		

### Classification

Acute Tox. 4 - H302  
 Acute Tox. 4 - H312  
 Acute Tox. 4 - H332  
 Skin Irrit. 2 - H315  
 Eye Irrit. 2 - H319

The full text for all hazard statements is displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General information</b>	Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.
<b>Skin contact</b>	Rinse with water.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes.

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**Protection of first aiders** First aid personnel should wear appropriate protective equipment during any rescue. If it is suspected that volatile contaminants are still present around the affected person, first aid personnel should wear an appropriate respirator or self-contained breathing apparatus. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

### 4.2. Most important symptoms and effects, both acute and delayed

**General information** See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation** A single exposure may cause the following adverse effects: Headache. Exhaustion and weakness.

**Ingestion** May cause irritation. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

**Skin contact** Redness. Irritating to skin.

**Eye contact** Irritating to eyes.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Notes for the doctor** Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** Containers can burst violently or explode when heated, due to excessive pressure build-up. Flammable liquid and vapour. Vapours may be ignited by a spark, a hot surface or an ember. Vapours may form explosive mixtures with air. Fire-water run-off in sewers may create fire or explosion hazard. This product is toxic. Contains Hydrocarbons. The product is immiscible with water and will spread on the water surface.

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours. Hydrocarbons. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

## Tar, Glue & Bitumen Remover

### 6.1. Personal precautions, protective equipment and emergency procedures

#### **Personal precautions**

No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material. Evacuate area. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Promptly remove any clothing that becomes contaminated. Avoid inhalation of vapours and spray/mists. Use suitable respiratory protection if ventilation is inadequate.

### 6.2. Environmental precautions

#### **Environmental precautions**

Immiscible with water. Aquatic toxicity is unlikely to occur. However, large or frequent spills may have hazardous effects on the environment. Absorb spillage with non-combustible, absorbent material. Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

### 6.3. Methods and material for containment and cleaning up

#### **Methods for cleaning up**

Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Use only non-sparking tools. Use explosion-proof electrical equipment. Do not allow material to enter confined spaces, due to the risk of explosion. Provide adequate ventilation. Absorb small quantities with paper towels and evaporate in a safe place. Once evaporation is complete, place paper in a suitable waste disposal container and seal securely. Large Spillages: If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. The contaminated absorbent may pose the same hazard as the spilled material. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.

### 6.4. Reference to other sections

#### **Reference to other sections**

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

#### **Usage precautions**

Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. The product is flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. In use may form flammable/explosive vapour-air mixture. Vapours may accumulate on the floor and in low-lying areas. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

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### Advice on general occupational hygiene

Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Storage precautions

Store away from incompatible materials (see Section 10). Eliminate all sources of ignition. Take precautionary measures against static discharges. Earth container and transfer equipment to eliminate sparks from static electricity. Keep away from oxidising materials, heat and flames. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. Bund storage facilities to prevent soil and water pollution in the event of spillage. The storage area floor should be leak-tight, jointless and not absorbent.

#### Storage class

Flammable liquid storage.

### 7.3. Specific end use(s)

#### Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### Xylene

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 220 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 441 mg/m<sup>3</sup>(Sk)

##### 2-Butoxyethanol

Long-term exposure limit (8-hour TWA): WEL 25 ppm(Sk) 123 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 50 ppm(Sk) 246 mg/m<sup>3</sup>(Sk)

WEL = Workplace Exposure Limit.

#### Hydrocarbons, C9-C12, n-alkanes, cyclics, aromatics (2-25%) (CAS: 1174921-79-9)

##### DNEL

Industry - Dermal; Long term systemic effects: 44 mg/kg/day  
 Industry - Inhalation; Long term systemic effects: 330 mg/m<sup>3</sup>  
 Consumer - Dermal; Long term systemic effects: 26 mg/kg/day  
 Consumer - Inhalation; Long term systemic effects: 71 mg/m<sup>3</sup>  
 Consumer - Oral; Long term systemic effects: 26 mg/kg/day

#### Xylene (CAS: 1330-20-7)

##### DNEL

Consumer - Dermal; Long term systemic effects: 108 mg/kg/day  
 Industry - Dermal; Long term systemic effects: 180 mg/kg/day  
 Consumer - Inhalation; Short term local effects: 174 mg/m<sup>3</sup>  
 Consumer - Inhalation; Short term systemic effects: 174 mg/m<sup>3</sup>  
 Industry - Inhalation; Short term systemic effects: 289 mg/m<sup>3</sup>  
 Industry - Inhalation; Short term local effects: 289 mg/m<sup>3</sup>  
 Consumer - Inhalation; Long term systemic effects: 14.8 mg/m<sup>3</sup>  
 Industry - Inhalation; Long term systemic effects: 77 mg/m<sup>3</sup>

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<b>PNEC</b>	- Fresh water; 0.327 mg/l
	- marine water; 0.327 mg/l
	- Intermittent release; 0.327 mg/l
	- STP; 6.58 mg/l
	- Sediment (Freshwater); 12.46 mg/kg
	- Sediment (Marinewater); 12.46 mg/kg
	- Soil; 2.31 mg/kg

### 2-Butoxyethanol (CAS: 111-76-2)

<b>DNEL</b>	Consumer - Oral; Long term systemic effects: 3.2 mg/kg/day
	Worker Inhalation Long Term Systemic Effects 98 mg/m <sup>3</sup>
	Consumer - Dermal; Short term systemic effects: 44.5 mg/kg/day
	Industry - Dermal; Short term systemic effects: 89 mg/kg/day
	Consumer - Dermal; Long term systemic effects: 38 mg/kg/day
	Industry - Dermal; Long term systemic effects: 75 mg/kg/day
	Consumer - Inhalation; Short term local effects: 123 mg/m <sup>3</sup>
	Consumer - Inhalation; Short term systemic effects: 426 mg/m <sup>3</sup>
	Industry - Inhalation; Short term systemic effects: 246 mg/m <sup>3</sup>
	Consumer - Inhalation; Long term systemic effects: 49 mg/m <sup>3</sup>

<b>PNEC</b>	- Fresh water; 8.8 mg/l
	- Sediment (Freshwater); 34.6 mg/kg
	- Sediment (Marinewater); 3.46 mg/kg
	- marine water; 0.88 mg/l
	- STP; 463 mg/l
	- Soil; 2.8 mg/kg

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate ventilation. Personal, workplace environment or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimise worker exposure. Personal protective equipment should only be used if worker exposure cannot be controlled adequately by the engineering control measures. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimise exposure. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilating equipment.

### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

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<b>Other skin and body protection</b>	Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.
<b>Hygiene measures</b>	Provide eyewash station and safety shower. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Preventive industrial medical examinations should be carried out. Warn cleaning personnel of any hazardous properties of the product.
<b>Respiratory protection</b>	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with European Standard EN14387. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.
<b>Environmental exposure controls</b>	Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Store in a demarcated bunded area to prevent release to drains and/or watercourses.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Clear liquid.
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	No information available.
<b>pH</b>	No information available.
<b>Melting point</b>	No information available.
<b>Initial boiling point and range</b>	No information available.
<b>Flash point</b>	~27°C
<b>Evaporation rate</b>	No information available.
<b>Evaporation factor</b>	No information available.
<b>Flammability (solid, gas)</b>	Not relevant.
<b>Upper/lower flammability or explosive limits</b>	No information available.
<b>Other flammability</b>	No information available.
<b>Vapour pressure</b>	No information available.
<b>Vapour density</b>	No information available.
<b>Relative density</b>	~ 0.8
<b>Bulk density</b>	No information available.
<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	No information available.



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<b>Auto-ignition temperature</b>	No information available.
<b>Decomposition Temperature</b>	No information available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	No information available.
<b>Explosive under the influence of a flame</b>	No information available.
<b>Oxidising properties</b>	Not available.
<b>Comments</b>	Information given is applicable to the product as supplied.

### 9.2. Other information

<b>Other information</b>	No relevant information available.
<b>Refractive index</b>	Not determined.
<b>Particle size</b>	Not determined.
<b>Molecular weight</b>	Not determined.
<b>Volatility</b>	Not determined.
<b>Saturation concentration</b>	Not determined.
<b>Critical temperature</b>	Not determined.
<b>Volatile organic compound</b>	Not determined.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** See the other subsections of this section for further details.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** The following materials may react strongly with the product: Oxidising agents.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition. Containers can burst violently or explode when heated, due to excessive pressure build-up. Static electricity and formation of sparks must be prevented. Do not pressurise, cut, weld, drill, grind or otherwise expose containers to heat or sources of ignition.

### 10.5. Incompatible materials

**Materials to avoid** Oxidising materials. Acids - oxidising.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

## Tar, Glue & Bitumen Remover

### Acute toxicity - oral

**Summary** Based on available data the classification criteria are not met.

**ATE oral (mg/kg)** 12,856.01

### Acute toxicity - dermal

**Summary** Based on available data the classification criteria are not met.

**ATE dermal (mg/kg)** 4,050.13

### Acute toxicity - inhalation

**Summary** Harmful if inhaled.

**ATE inhalation (vapours mg/l)** 51.4

### Skin corrosion/irritation

**Summary** Causes skin irritation.

### Serious eye damage/irritation

**Summary** Causes serious eye irritation.

### Respiratory sensitisation

**Summary** Based on available data the classification criteria are not met.

### Skin sensitisation

**Summary** Based on available data the classification criteria are not met.

### Germ cell mutagenicity

**Summary** Based on available data the classification criteria are not met.

### Carcinogenicity

**Summary** Based on available data the classification criteria are not met.

**IARC carcinogenicity** None of the ingredients are listed or exempt.

### Reproductive toxicity

**Summary** Based on available data the classification criteria are not met.

### Specific target organ toxicity - single exposure

**Summary** May cause drowsiness or dizziness.

**Target organs** Central nervous system

### Specific target organ toxicity - repeated exposure

**Summary** Causes damage to organs through prolonged or repeated exposure.

### Aspiration hazard

**Summary** May be fatal if swallowed and enters airways. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

### **General information**

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

### **Inhalation**

A single exposure may cause the following adverse effects: Headache. Exhaustion and weakness.

### **Ingestion**

May cause irritation. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

### **Skin contact**

Redness. Irritating to skin.

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<b>Eye contact</b>	Irritating to eyes.
<b>Route of exposure</b>	Ingestion Inhalation Skin and/or eye contact
<b>Target organs</b>	Central nervous system
<b>Medical symptoms</b>	Irritation of eyes and mucous membranes. Skin irritation.
<b>Medical considerations</b>	Skin disorders and allergies.

### Toxicological information on ingredients.

#### Hydrocarbons, C9-C12, n-alkanes, cyclics, aromatics (2-25%)

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 15,000.0

Species Rat

ATE oral (mg/kg) 15,000.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 3,400.0

Species Rat

ATE dermal (mg/kg) 3,400.0

##### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 13,100.0

Species Rat

ATE inhalation (vapours mg/l) 13,100.0

##### Skin corrosion/irritation

Skin corrosion/irritation Repeated exposure may cause skin dryness or cracking.

##### Serious eye damage/irritation

Serious eye damage/irritation May irritate eyes.

##### Respiratory sensitisation

Summary No data available.

##### Skin sensitisation

Summary No data available.

##### Germ cell mutagenicity

Summary No data available.

##### Carcinogenicity

Summary No data available.

##### Reproductive toxicity

Summary No data available.

## Tar, Glue & Bitumen Remover

### Specific target organ toxicity - single exposure

**Summary** No data available.

### Specific target organ toxicity - repeated exposure

**Summary** No data available.

### Aspiration hazard

**Summary** No data available.

**General information** Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

**Inhalation** Vapours may cause headache, fatigue, dizziness and nausea.

**Ingestion** May be fatal if swallowed and enters airways.

**Skin contact** Product has a defatting effect on skin.

**Eye contact** Vapour or spray in the eyes may cause irritation and smarting.

**Route of exposure** Inhalation Skin and/or eye contact Ingestion

**Target organs** Central nervous system

### Xylene

#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 3,523.0

**Species** Rat

**ATE oral (mg/kg)** 3,523.0

#### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 12,126.0

**Species** Rabbit

**ATE dermal (mg/kg)** 1,100.0

#### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 27.124

**Species** Rat

**ATE inhalation (vapours mg/l)** 15.0

#### Skin corrosion/irritation

**Summary** Causes skin irritation.

#### Serious eye damage/irritation

**Summary** Causes serious eye irritation.

#### Respiratory sensitisation

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**Summary** No data available.

### Skin sensitisation

**Summary** No data available.

### Germ cell mutagenicity

**Summary** No data available.

### Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

### Reproductive toxicity

**Summary** No data available.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Frequent inhalation of vapours may cause respiratory allergy.

**Target organs** Respiratory system, lungs

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Central nervous system depression. Vapours may cause headache, fatigue, dizziness and nausea.

**Target organs** Nervous system Liver Kidneys

### Aspiration hazard

**Aspiration hazard** Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

**Skin contact** The product irritates mucous membranes and may cause abdominal discomfort if swallowed. Causes skin irritation.

**Eye contact** No adverse effects known.

### 2-Butoxyethanol

#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 1,300.0

**Species** Rat

**ATE oral (mg/kg)** 1,300.0

#### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,000.0

**Species** Guinea pig

**ATE dermal (mg/kg)** 2,000.0

#### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 20.0

**Species** Rat

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<b>ATE inhalation (vapours mg/l)</b>	20.0
<b>Skin contact</b>	Causes skin irritation. The product irritates mucous membranes and may cause abdominal discomfort if swallowed.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Acute and chronic health hazards</b>	Prolonged or repeated exposure may cause severe irritation.
<b>Route of exposure</b>	Skin and/or eye contact Inhalation Ingestion Skin absorption

### SECTION 12: Ecological information

#### 12.1. Toxicity

##### Acute aquatic toxicity

**Summary** Based on available data the classification criteria are not met.

##### Chronic aquatic toxicity

**Summary** Toxic to aquatic life with long lasting effects.

##### Ecological information on ingredients.

#### Hydrocarbons, C9-C12, n-alkanes, cyclics, aromatics (2-25%)

##### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: >1 - <10 mg/l, Fish
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: >1 - <10 mg/l, Daphnia magna

#### Xylene

##### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 2.6 mg/l, Fish
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 1 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 73 hours: 4.36 mg/l, Algae

#### 2-Butoxyethanol

##### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 1474 mg/l, Oncorhynchus mykiss (Rainbow trout)
<b>Acute toxicity - aquatic invertebrates</b>	NOEC, 21 days: 100 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 72 hours: 1840 mg/l, Algae NOEC, 72 hours: 286 mg/l, Algae

##### Chronic aquatic toxicity

**Chronic toxicity - fish early life stage** NOEC, 56 days: 4.36 mg/l, Oncorhynchus mykiss (Rainbow trout)

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**Chronic toxicity - aquatic invertebrates** NOEC, 24 days: 1057 mg/l, Daphnia magna

### 12.2. Persistence and degradability

**Persistence and degradability** The degradability of the product is not known.

#### Ecological information on ingredients.

##### Hydrocarbons, C9-C12, n-alkanes, cyclics, aromatics (2-25%)

**Persistence and degradability** Not readily biodegradable.

##### Xylene

**Persistence and degradability** The product is biodegradable.

##### 2-Butoxyethanol

**Persistence and degradability** The product is biodegradable. OCED 301B 90.4% - 28 days

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** No information available.

#### Ecological information on ingredients.

##### Hydrocarbons, C9-C12, n-alkanes, cyclics, aromatics (2-25%)

**Bioaccumulative potential** Potentially bioaccumulating.

##### Xylene

**Bioaccumulative potential** BCF: 25.9,

##### 2-Butoxyethanol

**Bioaccumulative potential** : < 100 (l), The product is not expected to be toxic to aquatic organisms.

### 12.4. Mobility in soil

**Mobility** The product is insoluble in water. Volatile liquid. The product contains organic solvents which will evaporate easily from all surfaces.

#### Ecological information on ingredients.

##### Hydrocarbons, C9-C12, n-alkanes, cyclics, aromatics (2-25%)

**Mobility** The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

##### Xylene

**Mobility** The product contains organic solvents which will evaporate easily from all surfaces.

##### 2-Butoxyethanol

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**Adsorption/desorption coefficient** Water - Koc: 50-180 @ °C

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### Ecological information on ingredients.

#### Hydrocarbons, C9-C12, n-alkanes, cyclics, aromatics (2-25%)

**Results of PBT and vPvB assessment** No data available.

#### Xylene

**Results of PBT and vPvB assessment** Not relevant.

#### 2-Butoxyethanol

**Results of PBT and vPvB assessment** Not relevant.

### 12.6. Other adverse effects

**Other adverse effects** None known.

### Ecological information on ingredients.

#### Hydrocarbons, C9-C12, n-alkanes, cyclics, aromatics (2-25%)

**Other adverse effects** Not applicable.

#### Xylene

**Other adverse effects** Do not discharge into drains or watercourses or onto the ground.

#### 2-Butoxyethanol

**Other adverse effects** Do not discharge into drains or watercourses or onto the ground.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**General information** The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.



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**Disposal methods** Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Incineration or landfill should only be considered when recycling is not feasible. Vapour from residual product may create a highly flammable or explosive atmosphere inside the container. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Do not cut or weld used containers unless they have been thoroughly cleaned internally.

### SECTION 14: Transport information

**General** For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

#### 14.1. UN number

UN No. (ADR/RID)	1993
UN No. (IMDG)	1993
UN No. (ICAO)	1993
UN No. (ADN)	1993

#### 14.2. UN proper shipping name

<b>Proper shipping name (ADR/RID)</b>	FLAMMABLE LIQUID, N.O.S. CONTAINS HYDROCARBONS, C9-C12, N-ALKANES, CYCLICS, AROMATICS (2-25%) AND XYLENE
<b>Proper shipping name (IMDG)</b>	FLAMMABLE LIQUID, N.O.S. CONTAINS HYDROCARBONS, C9-C12, N-ALKANES, CYCLICS, AROMATICS (2-25%) AND XYLENE
<b>Proper shipping name (ICAO)</b>	FLAMMABLE LIQUID, N.O.S. CONTAINS HYDROCARBONS, C9-C12, N-ALKANES, CYCLICS, AROMATICS (2-25%) AND XYLENE
<b>Proper shipping name (ADN)</b>	FLAMMABLE LIQUID, N.O.S. CONTAINS HYDROCARBONS, C9-C12, N-ALKANES, CYCLICS, AROMATICS (2-25%) AND XYLENE

#### 14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

#### Transport labels



#### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III

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ADN packing group III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

EmS F-E, S-E

ADR transport category 3

Emergency Action Code •3Y

Hazard Identification Number (ADR/RID) 30

Tunnel restriction code (D/E)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>National regulations</b>	Health and Safety at Work etc. Act 1974 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.
<b>EU legislation</b>	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
<b>Guidance</b>	Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations.
<b>Health and environmental listings</b>	Regulation (EC) 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### Inventories

#### EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

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### SECTION 16: Other information

<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.</p> <p>RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</p> <p>IATA: International Air Transport Association.</p> <p>ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>CAS: Chemical Abstracts Service.</p> <p>ATE: Acute Toxicity Estimate.</p> <p>LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.</p> <p>LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).</p> <p>EC<sub>50</sub>: 50% of maximal Effective Concentration.</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p>
<b>Classification abbreviations and acronyms</b>	<p>Flam. Liq. = Flammable liquid</p> <p>Acute Tox. = Acute toxicity</p> <p>Asp. Tox. = Aspiration hazard</p> <p>Eye Irrit. = Eye irritation</p> <p>Skin Irrit. = Skin irritation</p> <p>STOT RE = Specific target organ toxicity-repeated exposure</p> <p>STOT SE = Specific target organ toxicity-single exposure</p> <p>Aquatic Chronic = Hazardous to the aquatic environment (chronic)</p>
<b>General information</b>	<p>PLEASE NOTE: The risk phrases itemised below are those relating to concentrated forms of the raw materials used in this product and are not necessarily applicable to the finished item. Please see Section 2 for the current classification of this product.</p>
<b>Classification procedures according to Regulation (EC) 1272/2008</b>	<p>Acute Tox. 4 - H332: Asp. Tox. 1 - H304: STOT RE 1 - H372: STOT SE 3 - H336: Skin Irrit. 2 - H315: Eye Irrit. 2 - H319: : Calculation method. Aquatic Chronic 2 - H411: : Calculation method. Flam. Liq. 3 - H226: : Expert judgement.</p>
<b>Training advice</b>	<p>Read and follow manufacturer's recommendations. Only trained personnel should use this material.</p>
<b>Revision date</b>	17/05/2022
<b>Revision</b>	4
<b>Supersedes date</b>	29/04/2021
<b>Hazard statements in full</b>	<p>H226 Flammable liquid and vapour.</p> <p>H302 Harmful if swallowed.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H312 Harmful in contact with skin.</p> <p>H315 Causes skin irritation.</p> <p>H319 Causes serious eye irritation.</p> <p>H332 Harmful if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H372 Causes damage to organs through prolonged or repeated exposure.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>

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This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.